ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION | INITIAL | ID NO. | 7 | | | |
|---------------------------|-------------|---------|--------|--|--|--|
| | | | DATE | | | |
| FEE DETERMINATION | | | | | | |
| O.I.P.E. CLASSIFIER | | 70 | The A | | | |
| FORMALITY REVIEW | | 20) | 200/ | | | |
| RESPONSE FORMALITY REVIEW | | - AVIII | 111140 | | | |

INDEX OF CLAIMS

| Rejected | N Non-elected |
|--|---------------|
| = Allowed | IInterference |
| (Through numeral) Canceled | A Appeal |
| ÷ Restricted | O Objected |

| | | | | | | | - | ÷ | ••• | •••• | •••• | •••• | •••• | | | | Re | stı | ric | ted | | | | (| 0 | | | | | | | |
|--|----------------------------|---------|-----|----|----------|------------|--------------|-----------|-----------------------------|---------------|--------------|--------------|-----------|----------|---------|-------------|-------------|-------------|-----------|----------------|--|--------------|--------------|----------|---------|-----------|--------------|--------------|-----------|-----|----------|--|
| C | alm | Т | _ | _ | | _ | <u>.</u> | ate | <u>.</u> | | | | | 7 | | | | Т | _ | _ | | | | | | | _ | | | _ | , | |
| ř | Τ_ | 2 | , T | 0 | وه | 1 | Ť | T | <u>'</u> | $\overline{}$ | Т | Т | Т | ٦ | | г | ain | Т | M | HC. | | | 7 | ate | _ | | _ | т- | ÷ | 4 | - | Cla |
| | Origina | Ð | 'n | | 15 | | | İ | - | | | | | 1 | | = | Ortoina | 1 | 1 | m | 15 | 1 | | 1 | | | | | | | Ì | _ |
| ŽIE. | ঠ | 3 | è | 9 | 4 | L | L | 1 | | | L | L | L | j | | Final | ð | , | 3 | 2 | 15 | ĺ | | ļ | | | İ | | | | 1 | 18 Sh Final |
| 80 9156 | <u></u> ∞ ∞ | ≥ | 1 | | 1 | L | I | I | | | | I | I | | | 5 | J 51 | ı]، | 7 | II | 7 | 1 | T | 十 | 7 | _ | \vdash | H | + | 1 | ŀ | Ž |
| A | 2 | 4 | 1 | H | 1 | L | L | 1 | 1 | | Ē | I | I |] | , | S. | 52 | 2 | | Λ | 7 | L | I | t | 7 | _ | Γ | † | + | ┪ | Ī | Ž |
| 13 | 122 | 4 | 4 | H | 4 | L | 丄 | 1 | 4 | لــــ | L | L | \perp | 1 | | 200 | 53 | | Ц | \mathbf{I} | 0 | | L | I | \cdot | | | Γ | \top | 7 | ſ | - |
| 与 | 4 | H | H | H | 4 | ⊢ | ╀ | + | + | _ | | ╀ | + | 4 | | 8 | 54 | 4 | Ц | 1 | Q | L | I | I | 7 | | | 匚 | L | j | | |
| 1 | 6 | H | ۲ | H | ÷ | ┝ | ╁ | + | + | \dashv | | ╀ | + | 4 | | 5 | 5. | | Н | 4 | 0 | L | + | 1 | 4 | _ | | L | L |] | L | |
| 旨 | 7 | 廾 | H | H | 90 | H | 十 | + | + | \dashv | ۲. | ╀ | ╀ | \dashv | | 2 | 56 57 | , | Н | + | 0 | <u> </u> | + | + | 4 | | <u> </u> | L | ↓_ | 4 | 1 | _ |
| 400000 | В | 1 | Ħ | | 0 | 一 | 十 | + | + | 7 | - | 十 | ╁ | + | | 3 | 58 | Н | Н | Н | 0 | H | ╀ | ╀ | + | \dashv | _ | ├ | ╀- | 4 | F | |
| 9 | 9 | T | 1 | | o | | ┢ | † | † | 7 | _ | | + | 1 | | 6.82 | 59 | | H | H | 0 | H | 十 | 十 | + | - | \dashv | - | ╀ | ┨ | F | - |
| 10 | 10 | I | | | 0 | | | T | I | 1 | | \vdash | T | 1 | | 1 | 60 | H | H | Ħ | 0 | <u> </u> | 十 | ╁ | + | + | - | H | ┝ | 1 | H | - |
| 11 | 11 | | Ц | | o] | | | L | $\operatorname{\mathbb{I}}$ | \Box | | | | 1 | | 41 | 61 | Ħ | 1 | Ħ | 0 | | 1 | † | + | 7 | 7 | | \vdash | 1 | \vdash | + |
| 13 | 12 | 1 | 4 | Ш | 0 | | | L | I | | | | |] | | 5005 | ß2 | | I | \blacksquare | 0 0 | _ | T | T | † | 7 | 7 | \neg | ┢ | 1 | 1 | + |
| Ġ | ופיו | 4 | H | | 이 | Ш | ļ. | Ļ | 4 | 4 | _ | Ĺ | L |] | - 1 | 3 | 63 | | 1 | Ш | 0 | | | | I | I | | | Г | 1 | 1 | 7 |
| 275 | 14 | # | H | 4 | o. | \dashv | - | Ļ | + | 4 | 4 | _ | L |] | | 4 | 64 | Ц | 1 | П | 0 | | | | I | \Box | | | |] | | · |
| 13 | 15 16 | + | H | | | \dashv | <u></u> | ╀ | + | \dashv | \dashv | - | ╄ | 1 | | 5 1 1 | 65 | Н | + | 11 | 0 | | L | L | 1 | 1 | \Box | \exists | | | | 1 |
| 片 | 17 | H | + | ď | 욋 | - | | ⊬ | + | + | \dashv | - | ┞ | 1 | | 4 | 66 | H | + | H | 위 | _ | | L | 1 | 4 | 4 | 4 | | 1 | L | |
| 7 | 18 | H | 1 | | 0 | + | <u> </u> | ┝ | + | + | \dashv | | - | ١.; | | 7 | 67 68 | 7 | + | | Ţ | - | | ┞ | + | 4 | 4 | 4 | | | L | 1 |
| | 19 | # | † | t | 7 | \dashv | - | 十 | + | + | \forall | _ | \vdash | 13 | ់ | 3 | 69 | Н | + | ₩ | / | - | | - | ╀ | + | \dashv | + | \dashv | ĺ | - | 1 |
| 20 | | 11 | t | T, | 9 | \forall | | 一 | 十 | 十 | 7 | 7 | - | 1 | | D | 70 | + | + | ╁ | ╗ | - | | ┝ | + | + | + | + | \dashv | ĺ | \vdash | 1 |
| 21 | 21 | Ħ | t | ۶ | 7 | 7 | | H | 十 | \dagger | + | - | <u> </u> | 1 | | | 71 | \dagger | + | H | / | \dashv | - | - | ╀ | + | + | \dashv | 긕 | | ┝ | |
| a | 22 | IJ | t | Ţ, | 7 | 1 | | Г | Ť | \dagger | 7 | \neg | Н | 1 | - 14 | | 72 | † | Ħ | H | 1 | \dashv | - | _ | ╁ | + | + | + | \dashv | | \vdash | 1 |
| 23 | 23 | П | I | Ŀ | 1 | I | | | I | I | I | | П | 1 | Ā | 3 | 73 | † | # | | 7 | 7 | \exists | _ | + | + | + | + | \dashv | | \vdash | 1 |
| ᅄ | 24 | Ц | 1 | 4 | 4 | | | | I | I | \Box | | |] | | т. | 74 | I | | _ | o | 1 | | _ | t | + | 十 | \dagger | \exists | - / | 一 | 11 12 12 12 12 12 13 13 13 13 |
| 25 | 25 | # | 1 | 4 | 4 | 4 | _ | Ĺ | L | 1 | 1 | | | | H | 5 | 75 | Ι | | 1 | 0 | I | \Box | _ | | I | I | I | \exists |] | 厂 | 12 |
| 4 | 26 | ₩ | + | | 2 | 4 | 4 | <u>—</u> | 1 | + | \downarrow | 4 | \dashv | ĺ | 1 | 6 | 76 | 1 | Ц | | 2 | \Box | | | | I | I | I | | J | | 12 |
| 끜 | 27 28 | H | + | 2 | 4 | + | - | _ | ╀ | + | + | 4 | | | E | 3 | 77 | 1 | Ц | | <u>/</u> | 4 | 4 | | L | 1 | 1 | 1 | | - | Ĺ | 12 |
| 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | 29 | H | t | 2 | 2 | + | - | | ╀ | + | + | 4 | \dashv | | E | | 78 79 | ╀ | Н | | / | + | \dashv | _ | L | 1 | + | + | 4 | ļ | | 12 |
| 3 | 30 | H | t | + | Ź | + | + | _ | ╁ | + | + | \dashv | \dashv | | 1 | ∜ | 30 | ╀ | H | + | / | + | + | \dashv | _ | + | + | + | \dashv | } | | Ľ |
| 21 | 31 | H | t | 1 | | + | 7 | | t | + | + | + | ۲ | | 1 | ă i | 30 31 | + | H | + | $\!$ | + | + | \dashv | _ | +- | + | + | \dashv | ŀ | | 12 |
| نِه | 32 | П | t | Ž | | \uparrow | 7 | | t | + | 十 | \forall | \dashv | | H | 3 | 12 | t | H | + | / | + | + | \dashv | - | + | + | + | \dashv | 1 | | 13 |
| 2 | 33 | П | L | 1 | 7 | I | \exists | | | t | 1 | 7 | \exists | | 4 191 2 | 3 8 | 13 | t | 1 | †; | 7 | † | † | 7 | | 十 | + | + | 7 | h | | 13 |
| ¥13 | 4 | 4 | L | 1 | 1 | I | \Box | _ | | I | I | I | | | 1 | 18 | 14 | Ţ | I | | 1 | \top | 1 | | | \dagger | \dagger | + | ٦ | t | _ | 13 |
| 45 | 5 | 4 | L | 1 | 4 | 4 | 4 | _ | Ĺ | I | I | 1 | | | 1 | 68 | 5 | | | Ţ | 7 | I | \Box | | | L | I | I |] | | _ | 13 13 |
| <u> </u> | <u>"</u> | Ш | L | 1 | 4 | 4 | 4 | | L | 1 | 1 | 4 | \exists | | 1 | 8 | 6 | \prod | I | J | 1 | m I | I | | | L | I | I |] | | | 13 |
| 3 | # | ╀ | H | | 4 | + | \dashv | | Ŀ | \downarrow | \downarrow | 4 | 4 | | 444 | 8 | _ | Ц | 4 | C | | 1 | 4 | | _ | L | L | ļ | 4 | - | | 13 |
| | . | + | H | 1 | | + | + | 4 | | ╄ | + | + | 4 | | 9 | 8 8 | | H | 4 | | | + | + | 4 | | Ļ | \downarrow | \downarrow | 4 | F | | 138 139 |
| <u>:</u> | ╢ | + | Н | 1 | | + | + | \dashv | \vdash | + | + | + | \dashv | | 6 | 98 | | H | 4 | C | 井 | + | + | \dashv | | ┞ | ╀ | + | 4 | F | 4 | 138 |
| 11/4 | ; | + | Н | 9 | | + | + | \dashv | \vdash | + | + | + | \dashv | | 4 | 9 | | H | + | 1 | 4 | 4 | 4 | 4 | | - | ╀ | + | - | }- | | 140 |
| | ╢ | + | Н | 8 | + | + | + | \dashv | \vdash | ╀ | + | + | \dashv | | 9 | 1 9 1 9 | ;} | H | + | 2 | <u></u> | + | + | 4 | | - | ╀ | + | 4 | H | | 14 |
| 34 | <u>ā</u> | + | H | 0 | + | + | + | 7 | $\overline{}$ | + | + | + | \dashv | | | 10 | ⇟ | H | + | +7 | } | + | + | + | _ | \vdash | ╁ | +- | - | + | - | 140 |
| ₩4 | 4 | + | H | 6 | | + | + | \dashv | | 十 | + | 十 | \dashv | | 7 | 9 | 4 | Н | \dagger | 6 | + | + | + | + | | ⊢ | ╁ | + | \dashv | + | - | 144 |
| 154 | 5 | + | H | o | _ | + | + | 7 | | + | + | 十 | \dashv | | q. | 9: | <u>-</u> | H | + | 0 | + | + | 十 | + | | - | \vdash | + | -j | - | | 145 |
| 144 | €∏ | | | 7 | | t | 1 | \exists | | T | † | + | 7 | | | 90 | | Ħ | t | 7 | 十 | † | + | + | | H | 十 | † | 1 | | | 146 |
| R 4 | 3 4 5 6 7 8 | \prod | | 0 | <u>-</u> | I | I | \Box | _ | Ĺ | I | I | | | 9 | 97 | 7 | Ħ | t | 7 | 忊 | † | † | 7 | | | T | \top | 1 | | 7 | 147 |
| 4 | 34 | Ţ | | 7 | | I | I | \supset | _ | | I | I | \Box | | 9 | 98 | 3 | Ц | L | 7 | \perp | I | I | I | | | | |] | | | 148 |
| 19 4 | <u>"</u> | 7 | | 4 | | 1 | 4 | 4 | _ | L | 1 | 1 | 4 | | 30 | 99 | P | 1 | Y | 1 | | I | I | I | | | L | L |] | L | 1 | 149 |
| D 5 | 214 | 12 | =[| 1 | 1 | 1 | | - 1 | | ı | 1 | - | - 1 | | Ita | glo | œ۰ | √ : | Ą | 1 | 4 | ŧ | 1 | - 1 | - | | 1 | 1 | 1 | - 1 | h | 150 |

| _ | | | | | | | | | | | |
|----------|----------|----------------|----------|-----------|--|----------|--------------|----------|----------|-----------|----------|
| 0 | taim | L | | | | Di | ate | | | _ | _ |
| İ | <u>a</u> | 10 al co | 03 | Γ | Γ | Γ | Т | Τ | Т | T | Т |
| i | 활 | تم | 12 | | l | | | | 1 | ŀ | ı |
| | 8 | 05 | <u> </u> | <u> </u> | Ļ_ | L | L | L | \perp | L | L |
| P | | 1 | Ļ | - | L | L | ╄ | \bot | 1_ | L | L |
| 100 | 103 | 11 | ₹ | L | L | L | Ļ | ╄ | 1 | L | Ŧ |
| - | 104 | Ь., | _ | - | L | L | ╀ | ╀ | 1 | ┖ | Ļ |
| \vdash | 105 | Н | - | | ┝ | - | ╀ | ╁ | ╀ | ╀ | ╀ |
| \vdash | 106 | \dashv | - | - | | - | ╁ | ╁ | ╁╌ | ╀ | ╀ |
| \vdash | 107 | | 7 | _ | _ | H | t | ╁ | †- | ╁ | ╁ |
| | 108 | | \neg | | | Т | † | T | + | t | 十 |
| | 109 | \Box | | | | | Г | T | \top | T | t |
| \perp | 110 | | | | | | | | | | T |
| _ | 111 | 4 | 4 | _ | | | L | | | L | L |
| <u> </u> | 112 | 4 | 4 | 4 | 4 | _ | _ | 1 | ــــ | L | L |
| \vdash | 113 | - | 4 | -1 | \dashv | | - | ╄ | | L | L |
| \vdash | 115 | + | + | - | \dashv | | ⊢ | ┢ | ├ | <u> </u> | ⊢ |
| \vdash | 116 | + | + | + | + | _ | Ι | - | | - | ├ |
| | 117 | + | + | \forall | + | | _ | ┢ | - | Н | ⊢ |
| | 118 | \top | + | + | 7 | _ | ۰. | H | | | H |
| | 119 | | | 1 | 1 | ╗ | | | | | г |
| | 120 | Т | T | Т | T | | | | | ٦ | |
| | 121 | I | 1 | I | I | | | | | | _ |
| | 122 | \perp | | \perp | I | \Box | | | | | |
| | 123 | + | 1 | 4- | 4 | 4 | _ | | _ | | |
| _ | 124 | + | + | + | 4 | 4 | _ | _ | 4 | 4 | |
| | 25 26 | ╁ | + | -j- | + | + | + | | \dashv | + | _ |
| | 27 | + | + | + | ╁ | + | + | \dashv | \dashv | + | _ |
| | 28 | + | $^{+}$ | + | ✝ | + | + | + | ┪ | + | - |
| 1 | 29 | | T | T | T | 十 | 7 | 1 | _ | 7 | ┪ |
| 1 | 30 | Ι | I | Ι | I | T | | | | | |
| | 31 | 1 | Ļ | L | L | Ţ | 1 | \Box | I | \Box | |
| | 32 | 4 | ╀ | ↓ | ╀ | 4 | \downarrow | 4 | 4 | _ | ᅵ |
| | 33 34 | +- | ╀ | ╀ | + | + | + | + | + | 4 | 4 |
| | 35 | ╀ | - | ╁ | ╀ | ╀ | + | + | - | + | 4 |
| | 36 | ╁ | + | ╁ | ╁ | + | + | + | + | ╁ | ┥ |
| 1: | 37 | t | Η | t | T | + | + | 十 | + | + | ┨ |
| | 8 | | | | Ι | 1 | Ť | \top | 1 | \dagger | \dashv |
| 13 | | | | L | | I | I | I | 1 | I | 7 |
| 14 | | L | L | L | | Ĺ | \int | floor | | Ι | J |
| 14 | | _ | L | L | L. | Ĺ | | | \perp | Ι | |
| 14 | | <u> </u> | _ | <u> </u> | Ļ. | L | 4 | 1 | \Box | \perp | _ |
| 14 | | <u> </u> | <u> </u> | - | + | 1 | 4 | 4 | 4 | 4 | 4 |
| 14 | | - | - | <u> </u> | | \vdash | + | + | + | 4 | 4 |
| 14 | | - | H | H | | + | + | + | + | + | \dashv |
| 14 | _ | - | | - | +- | + | + | + | ╁ | + | \dashv |
| 14 | | | | | <u> </u> | Ė | + | + | + | + | + |
| 14 | - | | | | | T | + | + | †- | \dagger | 1 |
| 15 | o | | | | | | | | I | T | 1 |
| | | | | | | | | | | | _ |

If more than 150 claims or 10 actions staple additiona! sheet here